78. Subsets

Medium

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Given a set of distinct integers, *nums*, return all possible subsets (the power set).

Note: The solution set must not contain duplicate subsets.

Example:

Input: nums = [1,2,3]  
Output:  
[  
 [3],  
 [1],  
 [2],  
 [1,2,3],  
 [1,3],  
 [2,3],  
 [1,2],  
 []  
]

class Solution {

public:

vector<vector<int>> subsets(vector<int>& nums) {

vector<vector<int>> ans;

ans.push\_back(vector<int>{nums[0]});

for(int i=1;i<nums.size();i++){

int n=ans.size();

for(int j=0;j<n;j++){

vector<int> curr=ans[j];

curr.push\_back(nums[i]);

ans.push\_back(curr);

}

ans.push\_back(vector<int>{nums[i]});

}

ans.push\_back({});

return ans;

}

};

Success

[Details](https://leetcode.com/submissions/detail/210025602/)

Runtime: 8 ms, faster than 100.00% of C++ online submissions for Subsets.

Memory Usage: 9.3 MB, less than 41.66% of C++ online submissions forSubsets.